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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/575,550	04/10/2006	Teruie Takemasu	2006_0522A	8964		
513 WENDEROT	7590 08/28/200 H, LIND & PONACK, I	EXAM	EXAMINER			
1030 15th Street, N.W., Suite 400 East Washington, DC 20005-1503			PATEL, B	PATEL, BHARAT C		
			ART UNIT	PAPER NUMBER		
g,		3724				
			MAIL DATE	DELIVERY MODE		
			08/28/2009	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/575,550	TAKEMASU ET AL.		
Examiner	Art Unit		
BHARAT C. PATEL	3724		

	BHARAT C. PATEL	3724				
The MAILING DATE of this communication appe	ars on the cover sheet with the o	correspondence add	ress			
THE REPLY FILED 20 August 2009 FAILS TO PLACE THIS AF	PPLICATION IN CONDITION FOR	ALLOWANCE.				
 All The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appendors for Continued Examination (RCE) in compliance with 37 C periods: 	replies: (1) an amendment, affidavi eal (with appeal fee) in compliance	t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request			
a) The period for reply expires 3 months from the mailing date						
b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. Ir no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TW.						
MONTHS OF THE FINAL REJECTION. See MPEP 706.07(n).					
Extensions of time may be obtained under 37 CFR 1,136(a). The date have been filled is the date for purposes of determining the period of ext under 37 CFR 1,17(a) is calculated from: (1) the expiration date of the s set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patient term adjustment. See 37 CFR 1,704(b). NOTICE OF APPEAL.	ension and the corresponding amount of shortened statutory period for reply origing than three months after the mailing date	of the fee. The appropria nally set in the final Office	ate extension fee e action; or (2) as			
The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed with the	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the				
AMENDMENTS	milli tile tille period set lotti ili 57 v	SF K 41.57 (a).				
 The proposed amendment(s) filed after a final rejection, t They raise new issues that would require further cor They raise the issue of new matter (see NOTE belowed) 	nsideration and/or search (see NOT		cause			
(c) ☐ They raise the issue of new matter (see NOTE below (c) ☐ They are not deemed to place the application in bett appeal; and/or		lucing or simplifying t	ne issues for			
(d) They present additional claims without canceling a c	corresponding number of finally reje	ected claims.				
NOTE: (See 37 CFR 1.116 and 41.33(a)). 4. The amendments are not in compliance with 37 CFR 1.12	Od Con attacked Nation of Nam Co.		OTOL 204)			
 Applicant's reply has overcome the following rejection(s): 		mpliant Amendment (-10L-324).			
Newly proposed or amended claim(s) would be all non-allowable claim(s).		imely filed amendmer	t canceling the			
7. For purposes of appeal, the proposed amendment(s): a) [how the new or amended claims would be rejected is prov. The status of the claim(s) is (or will be) as follows:		be entered and an e	xplanation of			
Claim(s) allowed: <u>None.</u> Claim(s) objected to: <u>None.</u> Claim(s) rejected: <u>13-30</u> .						
Claim(s) withdrawn from consideration: None. AFFIDAVIT OR OTHER EVIDENCE						
The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).						
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary 	vercome all rejections under appea	l and/or appellant fail:	to provide a			
 The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER 	n of the status of the claims after er	ntry is below or attach	ed.			
The request for reconsideration has been considered but See Continuation Sheet.	t does NOT place the application in	condition for allowan	ce because:			
12. Note the attached Information Disclosure Statement(s).	PTO/SB/08) Paper No(s)					
13. Other:						
	/Ghassem Alie/					

U.S. Patent and Trademark Office

Primary Examiner, Art Unit 3724

Continuation of 11, does NOT place the application in condition for allowance because: In response to the Applicant's argument that (1) Wada '018 reference does not teach that the tool will jump when vibrations are applied via the vibrator; (2) Wada '147 does not teach or suggest a configuration in which the boring tool separates from the vibrator when the vibrator applies ultrasonic vibrations to the boring tool; and (3) Because the Examiner has provided no reasoning for providing a spherical surface as recited in the claims 19 and 22 other than improper hindsight.

In response to the Applicant's argument (1), the Examiner respectfully disagrees. It should be noted that Wada '018 discloses in Fig. 1, two separate parts 7 and 11 separated by drawing of solid line, and also supported by two independent sets of preloaded springs 15, 22 and 16 sets of springs. Thus, the system allows a momentary detachment between two parts until the spring force and the actuator force synchronize. However, to support this phenomenon, Wada '147 reference is utilized stating that piezcelectric frequencies are too high to allow spring to restore thetool into constant contact with the vibrator because the response time of a mechanical spring is too slow, this results in "bouncing" of the tool. Therefore, the Examiner considers that Wada '018 reference do teach that the tool will jump when vibrations are applied via the vibrator.

In response to the Applicant's argument (2), the Examiner respectfully disagrees. The Examiner has utilized the reference of Wada '147 to explain the difference between too high frequencies of piezoelectric ubrator and response frequency of the mechanical spring. Therefore, as discussed above, the Examiner considers that Wada '018 reference do teach that the tool will jump when vibrations are applied via the vibrator.

In response to the Applicant's argument (3), the Examiner respectfully disagrees. It would have been an obvious matter of design choice to make the different portions of the punch of whatever form or shape was desired or expedient in order to eliminate noise by contacting at sharp edges or eliminate stress/strain point at sharp edges. A change in form or shape is generally recognized as being within the level of ordinary skill in the art, absent any showing of unexpected results. In re Dalley et al., 149 USPO 47. In this case, the shape of the head of the punch is not a factor in transferring the ultrasonic vibrations from the vibrator to the punch. Any shape, as long as there is a contacting surface, will transfer the vibratorions.